

## **Abstract**

A system, method and transcoding proxy are described herein that are capable of transcoding encrypted content, like an encrypted multimedia message or a multimedia message containing encrypted elements parts, which is transmitted between two devices (e.g., mobile phones). Basically, the transcoding proxy receives an encrypted multimedia message from a first device (e.g., mobile phone). The transcoding proxy then requests and receives a transcoding rights object (TRO) message from a rights issuer which includes a content encryption key (CEK) and a transcoding permission message (optional). After receiving the TRO message, the transcoding proxy is able to (1) decrypt the encrypted multimedia message (2) transcode the decrypted multimedia message so it matches the capabilities of a second device and could be accessed by a user of the second device (e.g., mobile phone) and (3) re-encrypt the transcoded multimedia message. The transcoding proxy then sends the re-encrypted transcoded multimedia message to the second device.